

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G
Under the Securities Exchange Act of 1934

ENZON PHARMACEUTICALS, INC.

(Name of Issuer)

COMMON STOCK, PAR VALUE \$0.01 PER SHARE

(Title of Class of Securities)

293904108

(CUSIP Number)

FEBRUARY 1, 2010

(Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the notes).

1	NAMES OF REPORTING PERSONS		
	Integrated Core Strategies (US) LLC		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION		
	Delaware		
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER -0-
		6	SHARED VOTING POWER 2,380,156 (See Item 4(a))
		7	SOLE DISPOSITIVE POWER -0-
		8	SHARED DISPOSITIVE POWER 2,380,156 (See Item 4(a))
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,380,156 (See Item 4(a))		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.2%		
12	TYPE OF REPORTING PERSON OO		

1	NAMES OF REPORTING PERSONS		
	Millenco LLC		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION		
	Delaware		
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER -0-
		6	SHARED VOTING POWER 133,202 (See Item 4(a))
		7	SOLE DISPOSITIVE POWER -0-
		8	SHARED DISPOSITIVE POWER 133,202 (See Item 4(a))
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	133,202 (See Item 4(a))		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
	<input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	0.3%		
12	TYPE OF REPORTING PERSON		
	OO, BD		

1	NAMES OF REPORTING PERSONS Cognizant Holdings, Ltd.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER -0-
	6	SHARED VOTING POWER 9,880 (See Item 4(a))
	7	SOLE DISPOSITIVE POWER -0-
	8	SHARED DISPOSITIVE POWER 9,880 (See Item 4(a))
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9,880 (See Item 4(a))	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	
12	TYPE OF REPORTING PERSON CO	

1	NAMES OF REPORTING PERSONS	
	Millennium International Management LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	
	(a) <input type="checkbox"/>	
	(b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Delaware	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5
		SOLE VOTING POWER
		-0-
		6
		SHARED VOTING POWER
		9,880 (See Item 4(a))
		7
		SOLE DISPOSITIVE POWER
		-0-
		8
		SHARED DISPOSITIVE POWER
		9,880 (See Item 4(a))
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	9,880 (See Item 4(a))	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
	<input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	0.0%	
12	TYPE OF REPORTING PERSON	
	PN	

1	NAMES OF REPORTING PERSONS		
	Millennium International Management GP LLC		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION		
	Delaware		
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER -0-
		6	SHARED VOTING POWER 9,880 (See Item 4(a))
		7	SOLE DISPOSITIVE POWER -0-
		8	SHARED DISPOSITIVE POWER 9,880 (See Item 4(a))
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9,880 (See Item 4(a))		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%		
12	TYPE OF REPORTING PERSON OO		

1	NAMES OF REPORTING PERSONS	
	Millennium Management LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	Delaware	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5
		6
		7
		8
		SOLE VOTING POWER
		-0-
		SHARED VOTING POWER
		2,523,238 (See Item 4(a))
		SOLE DISPOSITIVE POWER
		-0-
		SHARED DISPOSITIVE POWER
		2,523,238 (See Item 4(a))
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,523,238 (See Item 4(a))	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
	<input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	5.5%	
12	TYPE OF REPORTING PERSON	
	OO	

1	NAMES OF REPORTING PERSONS		
	Israel A. Englander		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>		
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION		
	United States		
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER -0-
		6	SHARED VOTING POWER 2,523,238 (See Item 4(a))
		7	SOLE DISPOSITIVE POWER -0-
		8	SHARED DISPOSITIVE POWER 2,523,238 (See Item 4(a))
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 2,523,238 (See Item 4(a))		
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.5%		
12	TYPE OF REPORTING PERSON IN		

Item 1.(a) Name of Issuer:

Enzon Pharmaceuticals, Inc., a Delaware corporation (the "Issuer").

(b) Address of Issuer's Principal Executive Offices:

685 Route 202/206
Bridgewater, New Jersey 08807

Item 2.(a) Name of Person Filing:(b) Address of Principal Business Office:(c) Citizenship:

Integrated Core Strategies (US) LLC
c/o Millennium Management LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Millenco LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Cognizant Holdings, Ltd.
c/o Millennium Management LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Cayman Islands

Millennium International Management LP
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Millennium International Management GP LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Millennium Management LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Israel A. Englander
c/o Millennium Management LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: United States

(d) Title of Class of Securities:

common stock, par value \$0.01 per share ("Common Stock")

(e) CUSIP Number:

293904108

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b), check whether the person filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
 - (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
 - (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
 - (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
 - (e) An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
 - (f) An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
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- (g) A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) Group, in accordance with §240.13d-1(b)(1)(ii)(J).

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned

As of the date of this Schedule 13G:

Integrated Core Strategies (US) LLC, a Delaware limited liability company ("Integrated Core Strategies"), is the beneficial owner of 2,380,156 shares of the Issuer's Common Stock;

Millenco LLC, a Delaware limited liability company ("Millenco"), is the beneficial owner of 133,202 shares of the Issuer's Common Stock; and

Cognizant Holdings, Ltd., an exempted limited company organized under the laws of the Cayman Islands ("Cognizant Holdings"), is the beneficial owner of 9,880 shares of the Issuer's Common Stock.

Millennium International Management LP, a Delaware limited partnership ("Millennium International Management"), is the investment manager to Cognizant Holdings, and may be deemed to have shared voting control and investment discretion over securities owned by Cognizant Holdings. Millennium International Management GP LLC, a Delaware limited liability company ("Millennium International Management GP"), is the general partner of Millennium International Management, and may be deemed to have shared voting control and investment discretion over securities owned by Cognizant Holdings. The foregoing should not be construed in and of itself as an admission by Millennium International Management or Millennium International Management GP as to beneficial ownership of the securities owned by Cognizant Holdings.

Millennium Management LLC, a Delaware limited liability company ("Millennium Management"), is the general partner of the managing member of Integrated Core Strategies, and may be deemed to have shared voting control and investment discretion over securities owned by Integrated Core Strategies. Millennium Management is also the manager of Millenco, and may be deemed to have shared voting control and investment discretion over securities owned by Millenco. Millennium Management is also the general partner of the 100% shareholder of Cognizant Holdings, and may be deemed to have shared voting control and investment discretion over securities owned by Cognizant Holdings. Israel A. Englander ("Mr. Englander"), is the managing member of Millennium Management and of Millennium International Management GP. Consequently, Mr. Englander may also be deemed to be the beneficial owner of any securities owned by Integrated Core Strategies, Millenco or Cognizant Holdings, as the case may be. The foregoing should not be construed in and of itself as an admission by Millennium Management or Mr. Englander as to beneficial ownership of the securities owned by Integrated Core Strategies, Millenco or Cognizant Holdings, as the case may be.

(b) Percent of Class:

Millennium Management and Mr. Englander may be deemed to beneficially own 2,523,238 shares of the Issuer's Common Stock or 5.5% (see Item 4(a) above), which percentage was calculated based on 45,507,716 shares of Common Stock outstanding as of December 7, 2009, as per the Issuer's proxy statement dated December 21, 2009.

(c) Number of shares as to which such person has:

- (i) Sole power to vote or to direct the vote

-0-

- (ii) Shared power to vote or to direct the vote

2,523,238 (See Item 4(b))

- (iii) Sole power to dispose or to direct the disposition of

-0-

- (iv) Shared power to dispose or to direct the disposition of

2,523,238 (See Item 4(b))

Item 5. Ownership of Five Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent

of the class of securities, check the following .

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group

See Exhibit I.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Exhibits:

Exhibit I: Joint Filing Agreement, dated as of February 4, 2010, by and among Integrated Core Strategies (US) LLC, Millenco LLC, Cognizant Holdings, Ltd., Millennium International Management LP, Millennium International Management GP LLC, Millennium Management LLC and Israel A. Englander.

SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information with respect to it set forth in this statement is true, complete, and correct.

Dated: February 4, 2010

INTEGRATED CORE STRATEGIES (US) LLC

By: Integrated Holding Group LP,
its Managing Member

By: Millennium Management LLC,
its General Partner

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

MILENCO LLC

By: /s/ Mark Meskin
Name: Mark Meskin
Title: Chief Executive Officer

COGNIZANT HOLDINGS, LTD.

By: Millennium International Management LP,
as Investment Manager

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

MILLENNIUM INTERNATIONAL MANAGEMENT LP

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

MILLENNIUM INTERNATIONAL MANAGEMENT GP
LLC

By: /s/ David Nolan
Name: David Nolan
Title: Executive Vice President

MILLENNIUM MANAGEMENT LLC

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

/s/ Israel A. Englander by David Nolan
pursuant to Power of Attorney filed with
the SEC on June 6, 2005
Israel A. Englander

EXHIBIT I

JOINT FILING AGREEMENT

This will confirm the agreement by and among the undersigned that the Schedule 13G filed with the Securities and Exchange Commission on or about the date hereof with respect to the beneficial ownership by the undersigned of the Common Stock, par value \$0.01 per share, of Enzon Pharmaceuticals, Inc., a Delaware corporation, will be filed on behalf of each of the persons and entities named below in accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Dated: February 4, 2010

INTEGRATED CORE STRATEGIES (US) LLC

By: Integrated Holding Group LP,
its Managing Member

By: Millennium Management LLC,
its General Partner

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

MILLENCO LLC

By: /s/ Mark Meskin
Name: Mark Meskin
Title: Chief Executive Officer

COGNIZANT HOLDINGS, LTD.

By: Millennium International Management LP,
as Investment Manager

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

MILLENNIUM INTERNATIONAL MANAGEMENT LP

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

MILLENNIUM INTERNATIONAL MANAGEMENT GP
LLC

By: /s/ David Nolan
Name: David Nolan
Title: Executive Vice President

MILLENNIUM MANAGEMENT LLC

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

/s/ Israel A. Englander by David Nolan
pursuant to Power of Attorney filed with
the SEC on June 6, 2005

